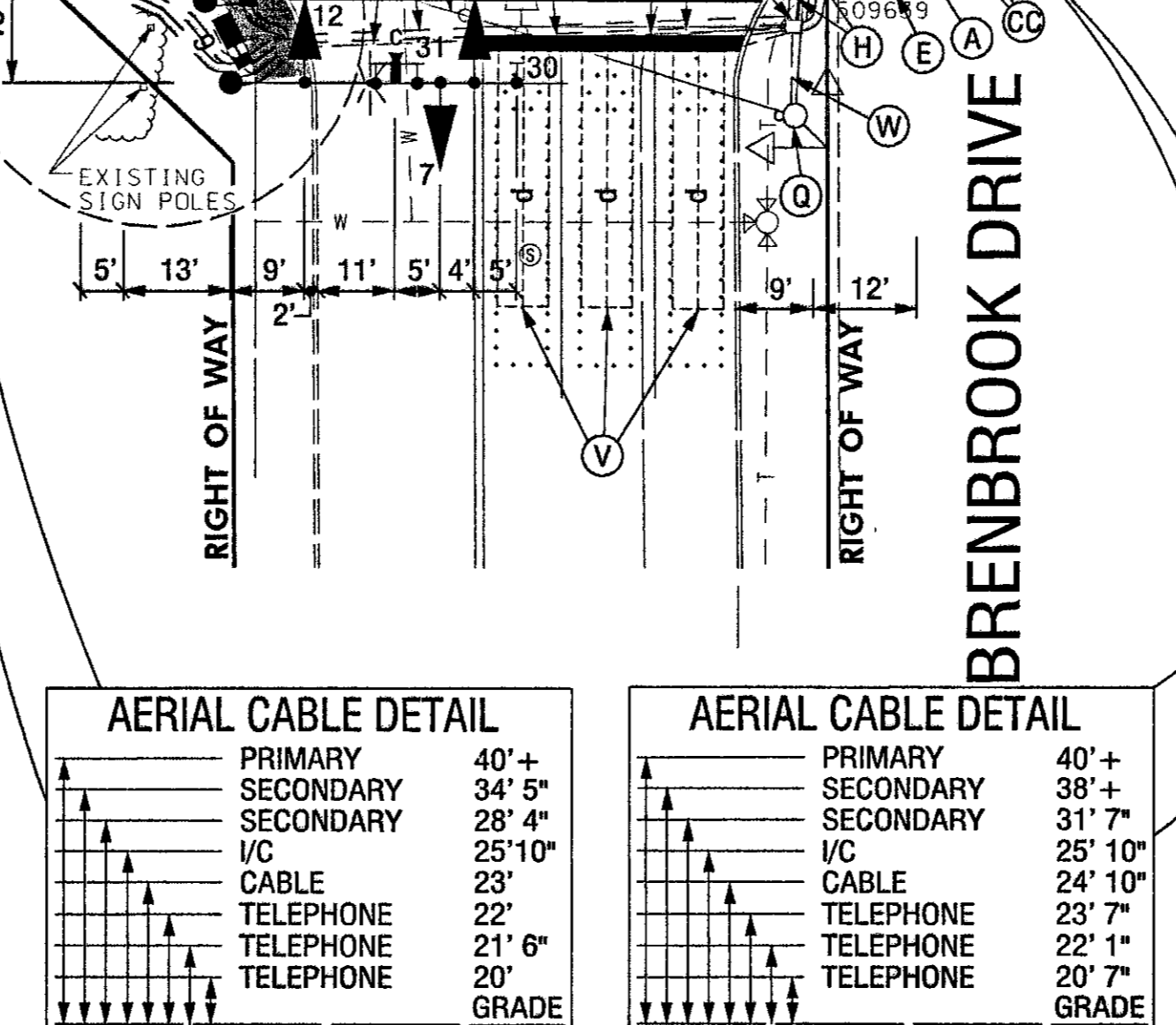
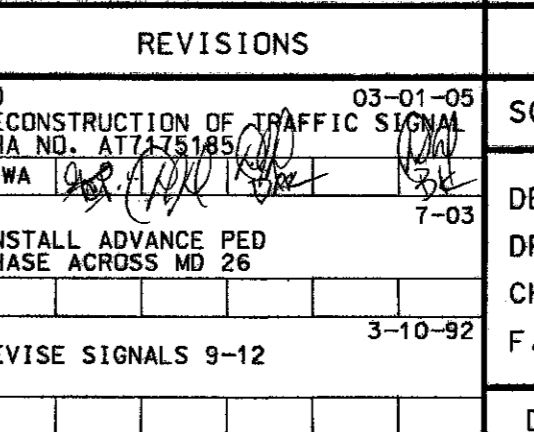
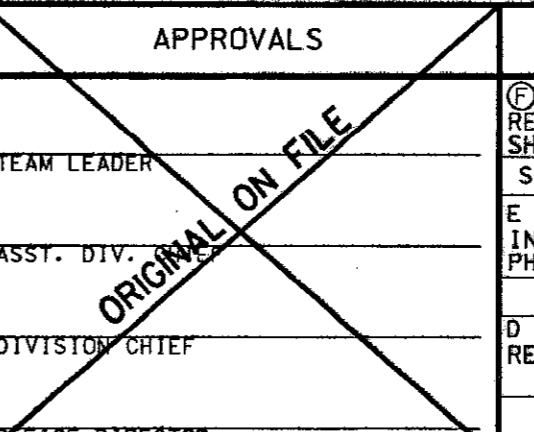
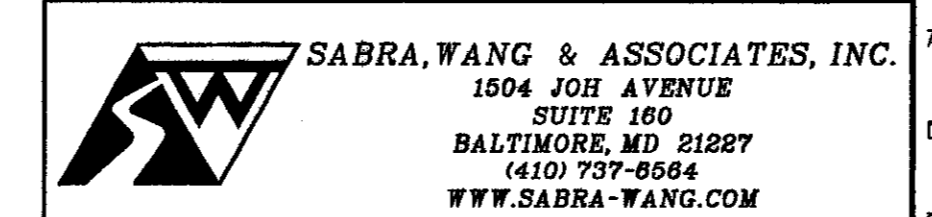
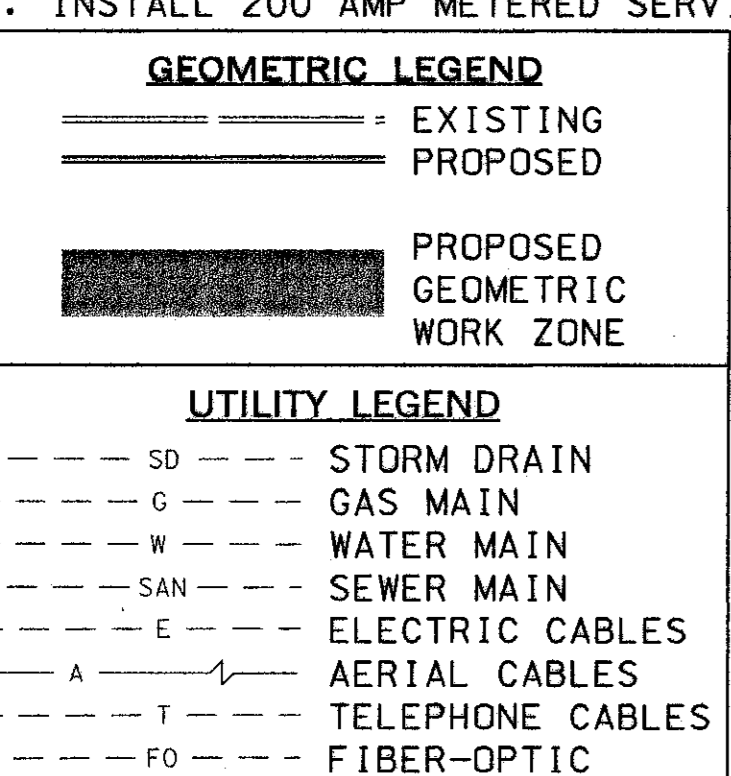


- CONSTRUCTION DETAILS**
- A. INSTALL CONCRETE FOUNDATION WITH 16.5 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM WITH SPECIAL 15 FT. "T" (CUT DOWN TO 40 FT.) WITH SIGNAL HEADS, SIGNS, 3 IN. WEATHERHEAD, PEDESTRIAN SIGNAL HEADS, OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 50 FT. MAST ARM (CUT TO 40 FT.) WITH SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNALS, 15 FT. LIGHTING BRACKET ARM, 250 WATT HPS LUMINAIRE, R10-4(1) SIGNS AND NAVIGATOR PUSHBUTTON STATION WITH BLACK FACE PLATE OPTION "A" SIGN WITH INTERNATIONAL BRILLE ON FACE PLATE AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- C. INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH 50 FT. MAST ARM (CUT TO 40 FT.) WITH SIGNAL HEADS, SIGNS, OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- D. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, PEDESTRIAN SIGNALS, R10-4(1) SIGN AND NAVIGATOR PUSHBUTTON STATION WITH BLACK FACE PLATE OPTION "A" SIGN WITH INTERNATIONAL BRILLE ON FACE PLATE. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- E. INSTALL EXTENSION BRACKET WITH PEDESTRIAN SIGNAL HEAD.
- F. INSTALL CONCRETE FOUNDATION (AGAINST BACK OF CONCRETE SIDEWALK USE THE SIDEWALK AS THE PAD) WITH A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET (NOTE: TWO-4 IN. PVC. AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB UP CONDUIT BEND AT BASE OF UTILITY POLE.
- H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- L. INSTALL HANDHOLE.
- M. MAINTAIN EXISTING HANDHOLE DURING SIDEWALK REPLACEMENT.
- N. INSTALL NONINVASIVE DETECTORS (TO BE PLACED IN THE THRU LANES ONLY.).
- O. INSTALL CONCRETE FOUNDATION WITH 27 FT. STEEL POLE WITH 50 FT. MAST ARM (CUT TO 40 FT.) WITH SIGNAL HEADS, SIGNS, OVERHEAD VIDEO DETECTION CAMERA, 15 FT. LIGHTING BRACKET ARM AND 250 WATT HPS LUMINAIRE (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- P. INSTALL 200 AMP METERED SERVICE PEDESTAL.
- Q. REMOVE EXISTING POLE AND FOUNDATION 12" BELOW GRADE AND BACKFILL.
- R. REMOVE EXISTING SPAN WIRE AND ALL ASSOCIATED EQUIPMENT.
- S. REMOVE EXISTING POLE, POLE MOUNTED CONTROLLER CABINET AND FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- T. USE EXISTING HANDHOLE.
- U. USE EXISTING CONDUIT.
- V. ABANDON EXISTING LOOPS.
- W. CAP AND ABANDON EXISTING CONDUIT.
- X. ABANDON MICRO LOOPS.
- Y. INSTALL 24 IN. WHITE, HEAT APPLIED, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- Z. INSTALL 12 IN. WHITE, HEAT APPLIED, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
- AA. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- BB. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- CC. REMOVE THE CONCRETE SIDEWALK INSTALL PROPOSED SIGNAL EQUIPMENT THEN REPLACE 4 IN. CONCRETE SIDEWALK AS SHOWN.
- DD. INSTALL NEW 4 IN. CONCRETE SIDEWALK.
- EE. REMOVE EXISTING PAVEMENT MARKINGS.
- FF. INSTALL DETECTABLE WARNING SURFACE ON THE ADA RAMP.



- GENERAL NOTES**
- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
 - THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
 - ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCCELL.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
 - THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS BECAUSE THEY ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
 - ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
 - THE CONTRACTOR SHALL REMOVE EXISTING STOP LINES AND CROSSWALKS THAT ARE CALLED OUT FOR REMOVAL PRIOR TO INSTALLING NEW STOP LINES AND CROSSWALKS. ALL PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
 - THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLES IN THE CONDUIT SYSTEM.
 - THE CONTRACTOR SHALL REFER TO INTERCONNECT PLAN SHEETS FOR THE LOCATION AND CONNECTIONS OF THE INTERCONNECT CABLE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACE ALL DAMAGED DECORATIVE BRICK SIDEWALK AFTER REMOVAL OF EXISTING CONCRETE SIDEWALKS. THE CONTRACTOR SHALL MATCH BRICK PATTERNS AND COLORS OF DECORATIVE BRICK SIDEWALKS WHEN REPLACING CONCRETE SIDEWALKS.



SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

**MD 26 (LIBERTY ROAD) AT
BRENBROOK DRIVE**

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 3/31/70 CONTRACT NO. N/A

DESIGNED BY FLANIGAN COUNTY BALTIMORE
DRAWN BY FLANIGAN LOGMILE 03002605.94
CHECKED BY N/A T.I.M.S. NO. G336
F.A.P. NO. N/A TOD NO. N/A

DRAWING NO. TS-555F SHEET NO. 1 OF 3

PLOTTED: FRIDAY, APRIL 29, 2005 AT 11:48 AM
FILE: R42006\23\TASK 111\DRN\PSG-P003-M26.DGN